

Service Criticality Taxonomy

title	Service Criticality
namespace	urn:us:gov:faa:taxonomies:serviceCriticality
description	The Service Criticality taxonomy is used to classify a service depending on the level of significance given to a functional failure of the service.
creator	FDGB
source	Adopted from NAS-SR-1000 Section 318.
rights	The taxonomy is in the public domain and may therefore be reproduced without any limitations.

The purpose of this taxonomy is to provide a single standard system for categorizing FAA services by their level of criticality.

The taxonomy is maintained as a registered artifact in the FAA Data Registry (FDR) tool in accordance with [FAA Order 1375.1](#) and is available at the FDR web site, <http://fdr.gov/fdr/Home.jsp>.

Structure

This taxonomy is structured as a two-layer hierarchy in which the root node represents the concept of the taxonomy and the children of the root node are rendered as a set of values for that concept.

List of Values

<i>ID</i>	<i>Parent ID</i>	<i>Name</i>	<i>Allowed</i>	<i>Description</i>
criticality-level		Service Criticality	No	A single value that represents the criticality of a service by expressing the significance given to a functional failure of that service.
critical	criticality-level	Critical	Yes	Loss of this service would significantly raise the risk associated with providing safe and efficient operations.
essential	criticality-level	Essential	Yes	Loss of this service would raise the risk associated with providing safe and efficient operations to an unacceptable level.
routine	criticality-level	Routine	Yes	Loss of this service would have a minor impact on the risk associated with providing safe and efficient operations

Example of Use

The following is an example of registering service criticality information for an FAA service in a UDDI v.3-compliant registry. Note: this example is non-normative.

```
1 <businessService serviceKey="uddi:us:gov:dot:faa:atm:enroute:flightPlan:service"
2     businessKey="uddi:us:gov:dot:faa:atm:organization">
3   <categoryBag>
4     <keyedReference keyName="Essential"
5         keyValue="essential"
6         tModelKey="uddi:us:gov:faa:taxonomies:serviceCriticality:categorization"/>
7   </categoryBag>
8 </businessService>
```